NT BOOK

ensions			Contents	Reference to last Measurement
	Breadth 5	Depth 6	7	8
1 —	80509 —			
81	761018 —			
2	261654 —			
2	402154 —			
P	4025 —			
7	502116 —			
n —	40000			
	601706=00			

AEE/KSO/SBR/82/15-16 dt.22/6/15

Ast & final

M. A. R. 57 (Rule 116) No. B

Measurement Book

Serial No. ... Improvements to roads & drains in 22 nagara wards Kod. Kodigehalli in

Name of Work ... Improvements to roads & drains in (Poorvaiai residence) Ee 258121

Name of Contractor of nature of Agency ... R. Vijaya Kumar, Bangalore-92 SR- 90/28 6/15

Date of commencement of work ... 04-05-2015

Date	Full description, etc, of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
	Estimate cost: Rs. 10.00 Lakhs Job No. 008-15-000024 PCode: P1771 (14-15) TS No. ASMP/EE/ATP/TS/02/15-16 dtd 30-04-15 WO No. EE/ATP/ASMP/E-TND/67/2015-16 dtd 30-4-15 Contract Pvt: Rs. 983241/-						
	Measurement Recorded on: 22-06-2015						
1)	Earthwork excavation by manual means in ordinary soil, excavated material heaped & dried neatly & disposed as directed. (Qty vide Item No. (1) of Page No 258168)		Carried to			109.20 101.40 = Rs.	cum. " ₹615/-
			@ Rs.	5.10			

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
19)	Lead for disposal of debris shall be payable at carriage rates by mechanical means as directed.						
	Qty vide item No.(19) of page 258/69	-	-	-	-	109.20 cum	
				Limited to		96.33 cum	6228/-
				@ Rs. 70.65/-		= Rs.	
20)	Providing & laying in position PCC of M20 1:1½:3 with OPC @ 380 kg with 40mm nominal size granite Metal, CA @ 0.85 cum & FA @ 0.57 cum, Machine Mixed, concrete laid in layers not exceeding 150mm thick as directed.						C&FC
	Qty vide item No.(20) of page 258/68	-	-	-	-	76.14 cum	
				Limited to		74.85 cum	
				@ Rs. 4815.05		= Rs.	360606/-

Serial No. .....

Name of Work ..... Fro

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Numbe
1	2	3
6)	Providing & constructing granite stones ... not less than 15cm thick as ... Qty vide item No.(6) of page 25	
7)	providing sealed pointing to ... with CM 1:4, 20mm deep ... to depth of 20mm as dir... Qty vide item No.(7) of pag...	

NT BOOK

ensions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
payable as directed.			
- - -		109.20 cum	
Limited to		96.33 cum	6228/-
70.65/- - - = Rs.			
mix 1:4:8 dly granite			
57 cum, ven not exceed			C&FC
- - - -		76.14 cum	
Limited to		74.85 cum.	
4815.05. - - = Rs			360.06/-

M. A. R. 57 (Rule 116)
Measurement Book

No. B

258122

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
a)	Providing & constructing granite ~~ssm~~ in ~~repository~~ plinth ~~wall~~ with cm 1:6 ~~edged~~ & ~~rough~~ chisel dressed in courses ~~not less than 15cm high~~ as directed. ~~Qty vide item no.(6)~~ page 258162 - - - - @ Rs. 4942.09/- -					8.48 - - = Rs	cum, 30729/-
f)	providing sunken pointing to coursed stone masonry with cm 1:6, 20mm deep ~~to depth~~ of 20mm as directed. ~~Qty vide item no.(f)~~ page 258162 - - - @ Rs. 92.25/- -					8.64. - - = Rs.	797/-

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
8)	Providing & laying in position RCC of mix 1:2:4 with coarse @ 240 kg with portable & d/s CA @ 0.878 cum, FA @ 0.459 cum machine mixed cost of all materials as directed.						
	Qty vide item No. (8) of page 258169	-	-	-	-	2.52	cum.
			@ Rs. 5292.47/-			= Rs.	13337/-
10)	Providing mild steel reinforcement for RCC work including straightening, cutting, bending, hooks, placing in position, laying & / or welding as directed.						
	Qty vide item No. (10) of page 258170	-	-	-	-	2.39	QtL
			Limited to			2.214	QtL
			@ Rs. 7923.16/-			= Rs.	17748/-

M. A. P
Meas

Serial No. .....
Name of Work ..... From..
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Number
1	2	3
11)	Providing & removing cement mortar & removal of	cement, of for
	Qty vide item No. (11) of page 258	
12)	Removing RS class of steel &	
	Qty vide item No. (12) of page 2	

NT BOOK

ensions			Contents	Reference to last Measurement
	Breadth 5	Depth 6	7	8
...g mix ...rete & d/s machine directed.				
			2.52 cum.	cum.
			529 2.47/- = Rs.	13317/-
...for RCC work ...loading, hooking, ...elding as				
			2.39	cum
Limited to			2.24	cum
923.16/-			= Rs.	1748/-

M. A. R. 57 (Rule 116)
Measurement Book

No. B
258123

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
1)	Providing & removing centering, shuttering, staging / ~~Propping~~ etc & removal of formwork as directed.						
	~~Qty~~ vide item No. (11) of page 258170					6.76	Spm 1965/-
					@ Rs. 290.74/-	= Rs.	
12)	Removing RS rods of stairs & stacking as directed						
	~~Qty~~ vide Item no. (12) of page 258168					135.0	Spm.
					@ Rs. 57.93/-	= Rs.	7821/-

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
13)	Refixing stone slabs of chain & stacking including Cost of all materials as directed.						
	Qty vide item No. (12) of Page	258170	-	-	-	135.0	Sqm
			@ Rs. 75.10			= Rs.	10139/-
14)	Scraping existing stone metal layer upto 75mm thick along with their Circumferences surface, picking up rectified materials & stacking etc complete.						
	Qty vide item No. (14) of Page	258170				260.0	Sqm
					Limited to	240.0	Sqm
			@ Rs. 82.39/-			= Rs.	19774/-

M. A
Me

Serial No. .....
Name of Work ..... Fro
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Number
1	2	3
15)	Providing laying spreading & aggregate to bet mix with binder at OMC, laying directed.	
	Qty vide item No (15) of Page	2
2)	Providing & laying in position with OPC cement @ 300 kg CA @ 0.64 cum & FA @ plasticiser @ 2 lts machine laid in layer not exceeding	

NT BOOK

ensions			Contents	Reference to last Measurement
	Breadth 5	Depth 6	7	8
ecdip including				
- - - ..			135.0	Sqm
Rs. 75.10			= Rs.	10139/-
upto 75mm thickness, picking etc complete				
. . . .			260.0	Sqm
Limited to			240.0	Sqm
@ 82.39/-			= Rs.	19774/-

M. A. R. 57 (Rule 116)
Measurement Book

No. B

258124

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	15) Providing laying spreading & compacting graded stone aggregate to hot mix macadam including premixing with binder at OMC, laying in site, rolling as directed.						
	As per side item No (15) of Page 258171				Limited	52.00 50.00	cum cum
	@ Rs. 1429/- . . .				= Rs.		71450/-
	21) Providing & laying in position with OPC cement @ 300 kg CA @ 0.64 cum & FA @ Plasticizer @ 2 lts machine laid in layer not exceeding		PCC of with	Mix M20 20mm & dlt 0.42 cum with super mixed, concrete by mix as directed			

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Connecting Structure Ga Approaching Slopes as per L.S. Layout Clear road As rapre clear road	1	39.00	5.60	0.10	21.84	Cum
		1	26.00	2.85	0.10	13.86	"
		1	7.00	1.8	0.10	14.10	"
					Total	49.80	Cum
				Limited	To	47.50	"
			@ Rs.	5813.89	-	= Rs	276160/-
4)	Vacuum dewatering with vacuum pump & suction mat & compaction with skin floated checked with floating disc & complete.			CM.			
		1	39.00	5.60	-	218.40	Sqm.
		1	26.00	2.85	-	138.60	"
		1	7.00	1.8	-	141.00	"
					Total	498.00	"

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Nu
1	2	
5)	Providing groove cutting of 5mm to 10mm & depth of cutting machine &	

ENT BOOK

imensions			Contents	Reference to last Measurement
h	Breadth 5	Depth 6	7	8
	5.60	0.10	21.84	cum
	3.85	0.10	13.86	"
	1.8	0.10	14.10	"
		Total	49.80	cum
	Limited	To	47.50	"
	5813.89	- -	= Rs	276160/-
	survey & section taken checked			
	on.			
	5.60	-	918.40	Sqm.
	2.85	—	138.60	"
	1.8	—	141.00	"
		Total.	498.00	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 258125

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
				Limited to		475.00	Sqm
			@ Rs. 96.55/-	- -		- Rs.	45,861/-
	5) Providing groove cutting for cement pavement width 8 5mm to 10mm & depth 80mm - 100mm including cost of cutting machine & one cuts as directed.						
		4	5.60	-	-	22.40	Rm
		4	3.85	-	-	15.40	"
		1	1.80	-	-	5.04	"
					Total.	52.84	Rm.
				Limited to		49.25	
			@ Rs. 123.38/-	- -		= Rs.	6076/-

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
9)	Providing & laying in position RCC M20 with OPC cement @ 320 Kg with 20mm & d/s metal, CA @ 0.878 cum & FA @ 0.439 cum machine mixed, concrete laid in layers not exceeding 15cm thick as directed. deck slab culvert	1	4.80	2.00	0.25	2.40	cum
				@ Rs. 6025.24/-		= Rs.	14461/-
16)	Cleaning the existing WBM road surface including removing of binding materials & other foreign matter with wire brushes & small picks, sweeping with brooms as directed ~~of objectionable item not (16) in~~ SRK School road	1	65.0	4.00	—	260.00	Sqm
				Limited to		230.00	"
				@ Rs. 12.10/-		= Rs.	2825/-

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Num
1	2	
11)	Providing & applying tac Liteuen at prepared 2.5kg per 10sqm heating & all materials as di	
12)	providing & laying bitumino with hot mix plant and specified grading, premix bindor & filler, transporting	

NT BOOK

mensions			Contents	Reference to last Measurement
	Breadth 5	Depth 6	7	8
	2.00	0.25	2.40 =	cum 1166.61/-
	4.00 Limited to	—	260.00 230.00 =	Sqm " 3025/-

M. A. R. 57 (Rule 116)
Measurement Book

No. B 258126

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
(1)	providing & applying tack coat using 80/100 grade Bitumen as prepared black topped surface at 2.5 kg per 10 sqm including bitumen & all materials as directed.	2	65.0	4.00 Limited to	—	260.00 250.00 =	Sqm Sqm 18500/-
				@ Rs 74/-			
(2)	providing & laying bituminous concrete 40 mm thick with hot mix plant and crushed aggregate of specified grading premixed with bitumen binder & filler, transporting the hot mix to work site,						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Rajip & rollip as directed						
	SLK school road	1	65.00	4.00	0.025	6.50 cum	
				Limited to		6.25 cum	
			@ Rs. 10996.94/-			= Rs	68731/-
			Total Bill Amount			= Rs.	981593/-

MC & FC

Ry ply 18/06/2015.

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಕೊಡಗೇಹಳ್ಳಿ ಉಪವಿಭಾಗ
ಯಲಹಂಕ ವಲಯ, ಬಿ.ಬಿ.ಎಂ.ಪಿ
ಬೆಂಗಳೂರು-560092

1) the work is completed satisfactorily.
2) the agency has cleared the debris using his own vehicle.
3) there are no departmental issues to this work.

18/6/15

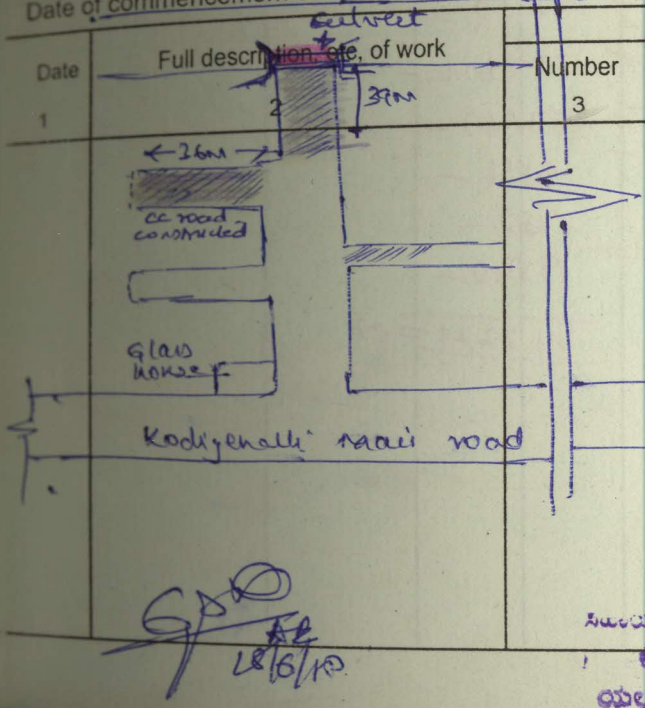
Ry ply 18/6/15

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಕೊಡಗೇಹಳ್ಳಿ ಉಪವಿಭಾಗ
ಯಲಹಂಕ ವಲಯ, ಬಿ.ಬಿ.ಎಂ.ಪಿ

M. A.
Mea

Serial No. .....
Name of Work ..... From..
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Number
1	2	3



18/6/15

NT BOOK

mensions			Contents	Reference to last Measurement
	Breadth 5	Depth 6	7	8
			complete.	
0	4.00	0.025	6.50 cum	
			6.25 cum	
	10996.94/-		-- -Rs	6871/-
			-- -Rs.	981593/-

M. A. R. 57 (Rule 116)
Measurement Book

No. B

258127

N.

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Legend
cc road
Asphalt road.

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Culvert						
	3m						
	2.6m						
	cc road constructed						
	Glass house						
	Kodigenalli main road						
	Kodige halli circle						
	Thindlu road.						
	school						
	Hanu Naik Gadevane						
	3m						
	Railway crossing						

MEASUREMENT BOO

Date	Full description, etc, of work	Dimensions				Reference to last Measurement
		Number	Length	Breadth	De	
1	2	3	4	5		8
	98590=00			IT – 19632 –		
	143221=00			VAT – 39264 –		
	838369=00			Edu – 53987 –		
				Lwc – 9816 –		
				CBT – 982 –		
				Roy – 19640 –		
				143221=00		
	18/2/16					

M. A. R.
Measur

Serial No. .....
Name of Work ..... From.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Number
1	2	3